

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A platinum alloy ~~comprising~~ consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, ~~and~~

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total

amount of property enhancing additives is less than 5 wt.%

~~wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.~~

Claim 2 (canceled)

Claim 3 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~comprises~~ contains 57.5 to 59.9 wt.% of platinum.

Claim 4 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~comprises~~ contains 58.5 to 59.0 wt.% of platinum.

Claims 5-6 (canceled)

Claim 7 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~comprises~~ contains 2.0 to 8.0 wt.% of cobalt.

Claim 8 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~comprises~~ contains 3.5 to 5.5 wt.% of cobalt.

Claim 9 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~further comprises~~ contains a total of 0.001 to 2 wt.% of ~~at least one first metal~~ one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

Claim 10 (currently amended): The platinum alloy according to claim 1, wherein said alloy ~~further comprises~~ contains a total of 0.001 to 2 wt.% of ~~at least one second metal~~ one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 11 (currently amended): The platinum alloy according to claim 1, ~~consisting essentially of~~ wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by ~~at least one first metal~~ one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by ~~at least one second metal~~ one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 12 (previously presented): The platinum alloy according to claim 1, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

Claim 13 (canceled)

Claim 14 (previously presented): The platinum alloy according to claim 1, wherein an elongation at break of said alloy is at least 20 %.

Claim 15 (previously presented): The platinum alloy according to claim 1, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

Claim 16 (currently amended): A method of preparing a platinum alloy, comprising the steps of:

providing alloy components, said alloy components ~~comprising~~ consisting essentially of: 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, ~~and~~ 27 to 43 wt.% of copper, and optionally one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%;

blending the alloy components together; and

melting the alloy components to form said alloy;

~~wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.~~

Claim 17 (currently amended): A platinum-colored material for ornamental purposes comprising a platinum alloy, said platinum alloy ~~comprising~~ consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, ~~and~~

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%,

wherein a Vickers hardness of said platinum alloy, measured at soft state, is between about 130 to 210 HV10.

Claim 18 (currently amended): An ornamental article comprising a platinum alloy, said platinum alloy ~~comprising~~ consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, ~~and~~

27 to 43 wt.% of copper, and

optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%,

~~wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.~~

Claim 19 (previously presented): The ornamental article according to claim 18, wherein said ornamental article is selected from the group consisting of a ring, a necklace, an earring, a watch band, and a watch body.

Claim 20 (currently amended): A method of fabricating ~~the~~ an ornamental article, comprising the steps of:

providing alloy components, said alloy components ~~comprising~~ consisting essentially of 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, ~~and~~ 27 to 43 wt.% of copper, and optionally one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%;

blending the alloy components together; and,

melting the alloy components to form said alloy;

~~wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.~~

Claim 21 (previously presented): The method according to claim 20, comprising the further step of casting the melted alloy into a shape of the ornamental article.

Claims 22-49 (canceled)

Claim 50 (new): The platinum alloy according to claim 1, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

Claim 51 (new): The method according to claim 16, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

Claim 52 (new): The method according to claim 16, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

Claim 53 (new): The method according to claim 16, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

Claim 54 (new): The method according to claim 16, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

Claim 55 (new): The method according to claim 16, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

Claim 56 (new): The method according to claim 16, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 57 (new): The method according to claim 16, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 58 (new): The method according to claim 16, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

Claim 59 (new): The method according to claim 16, wherein an elongation at break of said alloy is at least 20 %.

Claim 60 (new): The method according to claim 16, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

Claim 61 (new): The method according to claim 16, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

Claim 62 (new): The ornamental article according to claim 18, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

Claim 63 (new): The ornamental article according to claim 18, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

Claim 64 (new): The ornamental article according to claim 18, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

Claim 65 (new): The ornamental article according to claim 18, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

Claim 66 (new): The ornamental article according to claim 18, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

Claim 67 (new): The ornamental article according to claim 18, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 68 (new): The ornamental article according to claim 18, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,
3.5 to 4.5 wt.% of cobalt, and
35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

Claim 69 (new): The ornamental article according to claim 18, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

Claim 70 (new): The ornamental article according to claim 18, wherein an elongation at break of said alloy is at least 20 %.

Claim 71 (new): The ornamental article according to claim 18, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

Claim 72 (new): The ornamental article according to claim 18, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.